Title and abstract 1 Introduction Background/rationale 2 Objectives 3 —> Methods Study design 4 Setting 5 Participants	Explain the scientific background and rationale for the investigation being reported State specific objectives, including any prespecified hypotheses Present key elements of study design early in the paper Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection (a) Cohort study—Give the eligibility criteria, and the sources and methods of	P.3 P.4 P.4 P.4
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MethodsStudy design4Setting5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection (a) <i>Cohort study</i> —Give the eligibility criteria, and the sources and methods of Selection of participants. Describe methods of follow up of participants.	P. 4
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Participants	Selection of participants. Describe methods of follow up of participants.	P. 4
		P. 4
	Case-control study Give the eligibility criteria, and the sources and methods of	
	case ascertainment and control selection. Give the rationale for the choice of cases and controls Cross-sectional study—Give the eligibility criteria, and the sources and methods of selection of participants	
	(b) Cohort study—For matched studies, give matching criteria and number of exposed and unexposed Case-control study—For matched studies, give matching criteria and the number of controls per case	
Variables	7 Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	P. 4&:
Data sources/ measurement	8* For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	P. 4&:
Bias	9 Describe any efforts to address potential sources of bias	_
Study size	10 Explain how the study size was arrived at	P.
Quantitative variables	11 Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	P.
Statistical methods	 (a) Describe all statistical methods, including those used to control for confounding (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed (d) Cohort study—If applicable, explain how loss to follow-up was addressed Case-control study—If applicable, explain how matching of cases and controls was addressed Cross-sectional study—If applicable, describe analytical methods taking account of sampling strategy 	
		P.5

Results

			•
Participants	13* ((a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examin	
		eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	P. 0
		(b) Give reasons for non-participation at each stage	_
		(c) Consider use of a flow diagram	_,
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	P.0
		(b) Indicate number of participants with missing data for each variable of interest	
		(c) Cohort study—Summarise follow-up time (eg, average and total amount)	
Outcome data	15*	Cohort study—Report numbers of outcome events or summary measures over time	P.66
		Case-control study—Report numbers in each exposure category, or summary measures of exposure	
		Cross-sectional study—Report numbers of outcome events or summary measures	-
Main results	16 (a	a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision	P.7
	(e	eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included.	
		(b) Report category boundaries when continuous variables were categorized	<u>-</u>
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	_
Discussion			
Key results	18	Summarise key results with reference to study objectives	P.
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision.	-
		Discuss both direction and magnitude of any potential bias	P.
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity	-
		of analyses, results from similar studies, and other relevant evidence	P.88
		of analyses, results from similar studies, and other relevant evidence	P.86
Generalisability	21	Discuss the generalisability (external validity) of the study results	_ P.9
Other informati	on		
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	P.10

^{*}Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org.